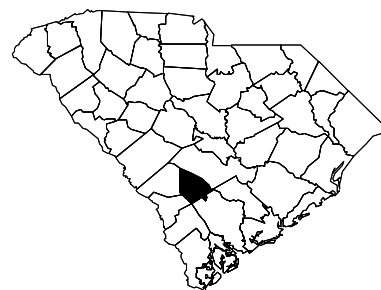


# IMPACT OF CHRONIC CONDITIONS BAMBERG County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Bamberg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Bamberg county's population is similar to the state's. The majority (37%) of the population in Bamberg county are between the ages of 18-44. There are more females (53%) than males (47%). Bamberg county has a higher minority population (63%) than the state (32%). When adults in Bamberg county were asked about their general health status, 86.5% reported having excellent, very good, or good health in 2002 (SC was 83%).

	BAMBERG COUNTY	STATE
<b>Population size</b>	16,314	4,107,183
<b>Age distribution (%)</b>		
<18	24	24
18-44	37	40
45-64	25	24
65-84	12	11
85+	2	1
<b>Race (%)</b>		
White	37	68
Black & Other	63	32
<b>Sex (%)</b>		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Bamberg county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	27
Sedentary lifestyle	38	42
Overweight	64	60
High Cholesterol	12	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	34.6	.	.	.	.	28.4
Number of hospitalizations	64	50	14	24	40	5,173
Standard rate of hospitalizations (per 100,000)	398	561	170	321	445	125
Median age of hospitalized patients	63	53	73	68	58	63
Total cost of hospitalization (\$)	506,400	417,700	88,700	171,800	334,600	79,350,400
Average length of hospital stay (days)	3	4	3	3	3	5
Number of ED visits	34	23	11	10	24	7,306
Standard rate of ED visits (per 100,000)	216	260	151	145	284	175
Median age of ED patients	58	53	58	60	55	53
Total cost of ED visits (\$)	36,300	27,900	8,400	9,600	26,700	5,902,800
Number of deaths*	1	-	1	1	-	366
Standard death rate (per 100,000)*	5	-	11	11	-	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.44	.	.	.	.	5.13
Number of hospitalizations	164	81	83	74	90	30,831
Standard rate of hospitalizations (per 100,000)	919	876	976	970	852	734
Median age of hospitalized patients	68	68	68	63	68	68
Total cost of hospitalization (\$)	3,600,900	1,666,700	1,934,200	1,904,700	1,696,200	969,122,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	48	32	16	19	29	2,754
Standard rate of ED visits (per 100,000)	267	338	206	238	286	66
Median age of ED patients	58	68	58	55	73	63
Total cost of ED visits (\$)	103,900	77,900	26,000	51,100	52,800	10,617,900
Number of deaths*	35	18	17	18	17	9,723
Standard death rate (per 100,000)*	196	198	181	253	158	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.64	.	.	.	.	2.38
Number of hospitalizations	67	38	29	28	39	14,317
Standard rate of hospitalizations (per 100,000)	370	413	339	386	362	351
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	1,485,600	944,800	540,800	652,000	833,600	279,819,700
Average length of hospital stay (days)	8	8	7	8	7	6
Number of ED visits	20	14	6	5	15	2,732
Standard rate of ED visits (per 100,000)	111	150	67	66	133	67
Median age of ED patients	73	70	73	73	73	73
Total cost of ED visits (\$)	42,000	34,900	7,100	14,200	27,800	6,322,600
Number of deaths*	26	13	13	9	17	2,816
Standard death rate (per 100,000)*	143	142	140	125	146	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	67	38	29	22	45	14,524
Standard rate of hospitalizations (per 100,000)	381	400	343	292	456	351
Median age of hospitalized patients	58	53	68	58	58	58
Total cost of hospitalization (\$)	656,700	387,100	269,600	220,300	436,400	198,700,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	132	103	29	57	75	37,517
Standard rate of ED visits (per 100,000)	821	1,028	471	760	885	914
Median age of ED patients	33	23	53	33	33	33
Total cost of ED visits (\$)	101,400	79,400	22,000	49,400	52,000	30,607,600
Number of deaths*	6	2	4	3	3	1,891
Standard death rate (per 100,000)*	35	21	42	42	33	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	11.9	.	.	.	.	8.33
Number of hospitalizations	53	46	7	19	34	8,652
Standard rate of hospitalizations (per 100,000)	317	500	94	250	375	207
Median age of hospitalized patients	43	48	43	43	53	53
Total cost of hospitalization (\$)	493,700	433,800	59,900	156,700	337,000	127,167,500
Average length of hospital stay (days)	4	4	3	4	4	6
Number of ED visits	74	57	17	23	51	9,316
Standard rate of ED visits (per 100,000)	423	605	247	294	530	224
Median age of ED patients	48	43	53	53	43	53
Total cost of ED visits (\$)	71,900	57,800	14,100	22,300	49,600	8,261,100
Number of deaths*	8	4	4	2	2	1,114
Standard death rate (per 100,000)*	44	42	43	51	31	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	137	78	59	56	81	24,644
Standard rate of hospitalizations (per 100,000)	805	849	713	775	884	591
Median age of hospitalized patients	63	58	73	68	58	58
Total cost of hospitalization (\$)	2,650,700	1,632,100	1,018,600	1,192,700	1,458,000	605,119,300
Average length of hospital stay (days)	6	6	5	6	5	6
Number of deaths*	35	19	16	16	19	8,320
Standard death rate (per 100,000)*	196	211	182	233	181	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	5	9	8	6	2,113
Standard rate of hospitalizations (per 100,000)	80	60	101	122	55	51
Median age of hospitalized patients	73	78	73	73	75	68
Total cost of hospitalization (\$)	359,800	135,800	224,000	170,100	189,700	80,248,200
Average length of hospital stay (days)	8	8	7	6	10	10
Number of deaths*	2	2	-	-	2	807
Standard death rate (per 100,000)*	11	22	-	-	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	15	8	7	.	15	1,465
Standard rate of hospitalizations (per 100,000)	86	87	78	.	149	35
Median age of hospitalized patients	63	55	78	.	63	63
Total cost of hospitalization (\$)	158,400	115,500	42,900	.	158,400	21,213,600
Average length of hospital stay (days)	3	3	3	.	3	3
Number of deaths*	5	2	3	-	5	630
Standard death rate (per 100,000)*	28	21	31	-	45	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	.	.	.	.	.	5
Median age of hospitalized patients	.	.	.	.	.	48
Total cost of hospitalization (\$)	.	.	.	.	.	3,668,300
Average length of hospital stay (days)	.	.	.	.	.	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	35	59	11	71	10	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	138,700	131,600	7,100	131,600	7,100	70,474,400
Average length of hospital stay (days)	6	7	3	7	3	9
Number of deaths*	11	7	4	8	3	2,481
Standard death rate (per 100,000)*	63	83	42	124	27	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	8	5	13	.	1,353
Standard rate of hospitalizations (per 100,000)	71	82	58	175	.	32
Median age of hospitalized patients	68	63	73	68	.	68
Total cost of hospitalization (\$)	190,600	137,300	53,300	190,600	.	24,726,200
Average length of hospital stay (days)	2	2	3	2	.	4
Number of deaths*	4	1	3	4	-	478
Standard death rate (per 100,000)*	22	12	31	56	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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